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[AU/AU]; 61 Nelson Street, Bedfordale, Western Australia
6112 (AU).

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(74) Agents: **SMEETON, Anthony, Richard et al.**; Davies
Collison Cave, Level 10, 10 Barrack Street, Sydney, New
South Wales 2000 (AU).

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(71) Applicant (*for all designated States except US*): **WEIR
WARMAN LTD** [AU/AU]; 1 Marden Street, Artarmon,
New South Wales 2064 (AU).

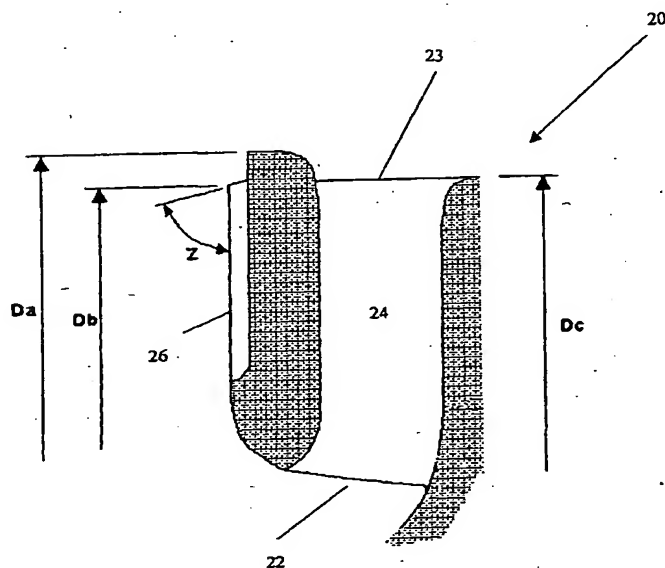
(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **WALKER, Craig,
Ian** [AU/AU]; 18A Gladys Avenue, Frenchs Forest,
New South Wales 2086 (AU). **WATERMANN, Anton**

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(54) Title: IMPROVED PUMP IMPELLER



(57) Abstract: An impeller for use in a centrifugal pump, the impeller (20) including a shroud having opposed faces, an outer peripheral edge portion and a rotation axis, a plurality of pumping vanes on one of the faces of the shroud and extending away from the rotation axis each pumping vane having an outer peripheral edge portion, and a plurality of auxiliary vanes (26) on the other face of the shroud, the auxiliary vanes of each having an outer edge portion wherein the dimension Da from the rotation axis to the outer peripheral edge portion of the shroud is greater than the dimension Db from the rotation axis to the outer edge portion of the auxiliary vanes.



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